Exhibit A

GIOMEDICAL RESEARCH CORE FACILITIES DNA SYNTHESIS CORE 2562 MSRB II 764-1461

Synthesia Paquest Bhest

HACILITY USE ONLY:

Sequence #

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Column

Appled C 416455

Date Synthesized _}

Today's Date:

Sequence Lanoth: 41

Synthemis Scale: 0.2 umole

Requestor: Gersten F.I. Name: LOWE Billing Dept.: HHMI

Trityl Group: __On _K Off Thio-Chemistry: ___Yes 7 No

Phone Number: 7-4778 Account Number: 921099

SEQUENCE, 5'-1 S', IN TRIPLETS (* PLEASE START HITH & IPIFIET *

eco epe are epa cea nee tra net see act poe ett teá ce

User Comments:

phage 104 PCR primer (FDR AB) from ht 288 . .

Comments to Core Facility:

- 394 Synthesis Setup Listing -

(Version 1.01)

Column 4

8:32:13A .

Run ID :

Cycle : Cyc01 user

End Proc: End CE

(DMT = Off)

Sequence: 624B

Total bases = 41

A= 6, G= 8, C= 17, T= 10, 5= 0, 6= 0, 7= 0, 8= 0

(mixed bases= 0)

MW: 13246.2

7 . 46 Jel

✓ 5'> GCG dGG ATC QCA CCA TCC TTA TCT GGC ACT GGC CTT TCA

CC <3'

A260 = .505 200 25W /5W

BIOMEDICAL RESEARCH CORE FACILITIES DNA SYNTHEGIS CORE 2542 MSRB (I 764-1461

Synthesis Pequest Sheet

FACILITY USE OMLY:

Sequence #

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Column

A00000 C 407370

Today's Date:

Sequence Lenoth: 43

Oate Synthesized

Requestor: P.I. Name:

Gersten LOWE

Synthesis Scale: 0.2 umole

frityl Group: __On _X_Off

Billing Dept.: HHMI

Thio-Chemistry:

Yes Y No

Phone Number: 7-4778 Account Number: 921099

SEQUENCE, 5'-> 3'. IN TRIPLETS (* PLEASE START WITH A TRIPLET *

GCB CGG ATC CIC ATC AAB CCT GGA ACC AGC TIT CAA GGT CIT C

User Comments:

104 phage PCR (for ab) from stop codon

Comments to Core Facility:

COLUMN 1 SET-UP VERSION Z.01

USER_NAME:

CYCLES USED: ENDING METHOD: SECEAFBI- I Trityl OFF, Auto

ENDING PROCEDURE: DEPCRE03 SEQUENCE NAME: SEQUENCE LENGTH:

5259 43

DATE: TIME:

COMMENT:

8:52

 $\sqrt{5}$ - 806 566 ATC CTC ATC AAS CCT 56A ACC AGC TTT SAA

667 CT

A200 = .662 19 W/81 W